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Claims

- 1. A method of determining the condition of a turbine blade (2, 4) in a compressor (1) and utilizing the collected information in an estimation of the lifetime of the turbine blade (2, 4), c h a r a c t e r i z e d i n that a measured value reflecting the condition of the turbine blade (2, 4) is generated by a vibration sensitive sensor (10) connected to the compressor's (1) casing (6).
- 2. A method in accordance with claim 1, and where the measured values from the sensor (10) are filtered and referred to their respective frequencies, c h a r a c t e r i z e d i n that the measured values within a frequency range are allocated a minimum and/or a maximum value, wherein if the peak level of the measured value falls outside the specified limit values, a signal is communicated to a lifetime estimation device.
- 3. A method in accordance with one or more of the preceding claims, c h a r a c t e r i z e d i n that the frequency range is divided into at least two frequency ranges, each frequency range being allocated a minimum and/or a maximum value.
 - 4. A device for determining the condition of a turbine
 blade (2, 4) in a compressor (1) and utilizing the
 collected information in an estimation of the lifetime
 of the turbine blade (2, 4), c h a r a c -

t e r i z e d i n that a vibration sensitive sensor (10) is fixed to the compressor's (1) casing (6).